(19) World Intellectual Property Organization International Bureau

27 May 2004 (27.05.2004)



SEP 22 2004

(10) International Publication Number (43) International Publication Date PCT

(51) International Patent Classification7: C07D 265/30, 295/06, 211/06, 241/04, 207/08, C07C 233/05, 311/15, A61K 31/535, 31/165, 31/445, 31/495, 31/40, 31/395, 31/55, 31/18, 31/16

(21) International Application Number:

PCT/US2003/009461

(22) International Filing Date: 26 March 2003 (26.03.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/368,427

US 27 March 2002 (27.03.2002)

(71) Applicant (for all designated States except US): CORPORATION **SMITHKLINE BEECHAM** [US/US]; One Franklin Plaza, Philadelphia, PA 19103

(72) Inventors; and

(75) Inventors/Applicants (for US only): . THOMPSON, Scott, K. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). FRAZEE, James, S. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). KALLANDER, Lara, S. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). MA, Chun [CN/US]; Apartment 3G, 1150 River Road, Edgewater, NJ 07020 (US).. MARINO, Joseph, P. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). NEEB, Michael, J. [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US). WANG, Ning [US/US]; 709 Swedeland Road, King of Prussia, PA 19406 (US).

(74) Agents: SIEBURTH, Kathryn, L. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW 2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).

WO 2004/043939 A1

- (81) Designated States (national): AE, AG, AL, AU, BA, BB, BR. BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

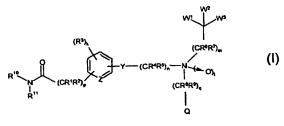
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, HU, ID, IL, IN, IS. JP, KP. KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, Cl, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

[Continued on next page]

(54) Title: AMIDE COMPOUNDS AND METHODS OF USING THE SAME



(57) Abstract: Disclosed is a compound having the formula (I) pharmaceutically acceptable salts or solvates thereof and pharmaceutical compositions containing the same, wherein the structural variables are as defined herein. The compounds, salts and solvates of this invention are useful as LXR agonists.